In the United State Patent and Trademark Office

Appn. Number: US 10/599,868 national phase
International Appn Nr. : WO 2005/112041 / PCT/EP2005/051405
Applicants: Robert Desbrandes, Daniel L. Van Gent
Tittle : REMOTE COMMUNICATION METHOD AND DEVICE USING NUCLEAR ISOMERS
Examiner: Johannes P. MONDT
Our Ref. EQ/2012/05/03/US02/a

Givarlais, France, 2012 May 19th

Amendment following non-final action dated 2012-02-03

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir,

We would like to thank you for the examination of our application.

Please, find the following sections:

ABSTRACT: Unchanged.

SPECIFICATION: The clean text of the amended specification, which was entered January 1"th, 2012 is submitted as separate file considering section 3 of the action dated February 3rd, 2012, as well as no new amendments:

- File: US02-Desc-D-v1.pdf

DRAWING: Unchanged.

CLAIMS: The clean claim section of the amended claim section, which was entered February 3rd, 2012, begins on page 4 with minor corrections made in revision mode.

REMARKS: remarks begin on page 13.

APPENDIX: The appendix is a reproduction of [D1] Brian Julsgaard, Alexander Kozhekin & Eugene S. Polzik, "Experimental long-lïved entanglement of two macroscopic objects", NATURE, VOL 413, 27 SEPTEMBER 2001, pages 400-403.

I hope that you will be able to consider my response, in particular section 2, section 4 and section 12 in which I provide reasonings showing that the gamma from Co^{60} are entangled, and that the X-rays coming from the Bremsstrahlung of 6 MeV electrons are also entangled. Although explaining a posteriori an invention is not required by the law, I have included the reasonings in terms of spin and metastability of isomer nuclides which account for the detailed measurements provided in the Declarations under 37 C.F.R 1.132 filed January 13th, 2012. The metastability of isomer nuclides allows for local energy to be released upon de-excitation. This may be the main issue.

Respectfully,

S-SIGNED: /ROBERT DESBRANDES/

Robert DESBRANDES
E-QUANTIC COMMUNICATIONS
1, allee des Cheriniers
GIVARLAIS, FR-03190
FRANCE